

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Buchan, et al Docket No: HSJ920030156US1  
Serial No: New Patent Application Group Art Unit: Unassigned  
Filed: Herewith Examiner: Unassigned  
For: **"FABRICATION PROCESS FOR PREPARING RECORDING HEAD SLIDERS  
MADE FROM SILICON SUBSTRATES WITH SIO<sub>2</sub> OVERCOATS"**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits herewith the references listed on the attached form PTO-1449 of which Applicant is aware which are believed to be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), nor as an admission that the information cited is, or is considered to be, material to patentability, nor an admission that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Respectfully submitted,

DATE: September 29, 2003

  
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CERTIFICATE OF MAILING (37 CFR 1.10(A))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 as Express Mail No. EV326958923US addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 29, 2003 by Patricia Beilmann.

Date: September 29, 2003



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. HSJ920030156US1	SERIAL NO. Unassigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Nicholas I. Buchan et al.	
		FILING DATE Herewith	GROUP Unassigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,589,952	05/20/1986	Behringer et al.	156	628	
	AB	4,634,495	01/06/1987	Gobrecht et al.	156	643	
	AC	4,698,708	10/06/1987	Lazzari	360	103	
	AD	4,809,103	02/28/1989	Lazzari	360	103	
	AE	6,117,283	09/12/2000	Chen et al.	204	192.23	
	AF	6,445,542	09/03/2002	Levi et al.	360	236.5	
	AG	6,532,134	03/11/2003	Chen et al.	360	235.2	
	AH	6,556,380	04/29/2003	Bunch et al	360	235.1	
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION YES NO
	AK	JP52050711	04/23/1977	JP	Hitachi Ltd.			
	AL	JP62003476	01/09/1987	JP	Nippon Teigr			
	AM	JP11144212	05/28/1999	JP	Sharp Corp			
	AN							
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AP		IBM Technical Disclosure Bulletin, Dec. 1982, "Sliders for Magnetic Heads of Surface Hardened Silicon with Integrated Electronic Components."
AQ		IBM Technical Disclosure Bulletin, Feb. 1984, "Silicon Magnetic Slider with Sapphire Rails."
AR		IBM Technical Disclosure Bulletin, June 1995, "Batch-Produced Sliders with Tapers and Processes for their Fabrication."
AS		IEEE Transactions on Magnetics, Vol 34, No. 4, July 1998, "A New Sub-Femto Slider for Mass Production Planar Silicon Heads" by J.P. Lazzari, C. Pisella and L. Tosi

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	